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**AMENDMENTS TO THE SPECIFICATION**

On page 19, line 29, please delete the word "white" and insert the word -red- and delete the "5Y91" and insert -2.5YR4 R-.

Please insert Table A, after line 23, on page 16.

Table A



Public Name of Marker	bin #	PH5DR base pairs
phi427913	1.01	129.38
bnlg1014	1.01	131.78
phi056	1.01	255.30
bnlg1083	1.02	221.86
bnlg1127	1.02	114.36
bnlg1953	1.02	247.56
bnlg1429	1.02	190.09
phi109275	1.03	126.31
bnlg1203	1.03	308.35
bnlg1484	1.03	135.90
bnlg1886	1.05	145.64
bnlg1057	1.06	274.00
bnlg1041	1.06	194.58
bnlg1615	1.06	211.96
bnlg1556	1.07	201.94
phi335539	1.08	88.58
phi423298	1.08	133.68
phi002	1.08	73.53
bnlg1331	1.09	121.03
phi011	1.09	226.98
phi308707	1.10	131.11
phi227562	1.11	306.93
phi064	1.11	94.65
phi402893	2.00	218.34
phi96100	2.01	284.43
bnlg1017	2.02	195.57
bnlg2277	2.02	292.29
bnlg1064	2.03	190.27
bnlg1018	2.04	134.33
bnlg1138	2.06	222.14

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Bi

Public Name of Marker	bin #	PH5DR base pairs
bnlg1396	2.06	136.79
phi251315	2.07	123.79
phi427434	2.08	130.91
phi435417	2.08	217.99
bnlg1141	2.08	152.92
bnlg1940	2.08	214.68
phi127	2.08	109.62
bnlg1520	2.09	285.85
phi101049	2.10	234.30
phi453121	3.00	223.43
phi104127	3.01	162.19
phi404206	3.01	303.14
phi193225	3.02	136.71
phi374118	3.02	213.36
bnlg1144	3.02	134.68
bnlg1647	3.02	137.52
bnlg1523	3.03	264.89
bnlg1452	3.04	125.59
bnlg1035	3.05	101.06
phi053	3.05	171.68
phi102228	3.06	126.84
bnlg1160	3.06	222.23
bnlg1951	3.06	121.12
bnlg2241	3.06	142.63
phi072	4.00	139.43
phi213984	4.01	284.60
phi295450	4.01	197.12
bnlg1162	4.03	92.86
phi308090	4.04	218.64
phi096	4.04	234.58
phi438301	4.05	211.81
bnlg1159	4.05	147.81
bnlg1755	4.05	214.54
bnlg1937	4.05	227.36
bnlg1265	4.05	223.71
phi079	4.05	177.74
bnlg1189	4.07	131.56
bnlg2244	4.08	199.58
bnlg1006	5.00	229.38
phi396160	5.02	298.12
phi109188	5.03	161.52
bnlg653	5.04	151.67

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Public Name of Marker	bin #	PH5DR base pairs
phi330507	5.04	131.59
phi331888	5.04	130.72
bnlg1208	5.04	118.88
bnlg1892	5.04	149.85
phi333597	5.05	216.51
phi085	5.06	248.06
bnlg1118	5.07	82.56
phi423796	6.01	128.39
phi389203	6.03	306.15
phi452693	6.04	123.30
phi445613	6.05	96.95
bnlg1174	6.05	218.72
phi299852	6.07	117.30
phi364545	6.07	131.46
bnlg1740	6.07	230.27
bnlg1759	6.07	125.81
phi070; umc1063	6.07	83.47
phi034	7.02	119.55
bnlg2271	7.03	233.69
phi260485	7.05	285.39
phi051	7.05	138.57
phi116	7.06	164.92
phi420701	8.00	289.29
bnlg1194	8.02	174.99
phi100175	8.03	145.34
bnlg2082	8.03	172.52
phi115	8.03	290.66
phi121	8.03	93.90
bnlg2046	8.04	326.12
bnlg1176	8.05	217.94
bnlg1065	8.07	226.87
bnlg1056	8.08	94.48
phi015	8.08	100.05
phi233376	8.09	136.10
bnlg2122	9.01	237.09
phi032	9.04	231.00
phi108411	9.05	126.04
phi236654	9.05	117.08
bnlg1375	9.07	164.93
bnlg1129	9.08	300.56
phi041	10.00	202.94

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Public Name of Marker	bin #	PH5DR base pairs
phi96342	10.02	249.64
phi059	10.02	143.60
bnlg1079	10.03	170.34
bnlg1655	10.03	126.51
phi050	10.03	83.27
phi062	10.04	157.81
bnlg1074	10.05	183.85
bnlg1185	10.07	188.95
phi109642	2.03/2.04	148.23
bnlg1720	1.09/1.10	236.44
phi448880	9.06/9.07	176.99